LIGHTING CONDITIONS AND LIGHTS

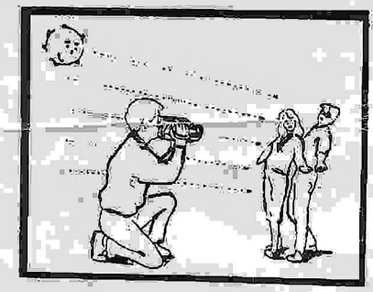
AN IMPORTANT POINT FOR THE BEST RESULTS IS CORRECT LIGHTING CONDITIONS. USE THE TABLE BELOW AS A REFERENCE FOR THE MOST SUITABLE LIGHTING CONDITIONS.

UV FILTER IS RECOMMENDED	UNIT (LUX)	
	100,000	● Snow covered mountains ● Ski slopes ● Beach on a clear Summer day
	10,000	● Clear-sky sunlight at noon (100,000) ● Clear-sky sunlight at 3PM (35,000) ● Cloudy-sky sunlight at noon (32,000)
USABLE RANGE	1,000	● Cloudy-sky sunlight one hour after dawn (2,000) ● Next to window or office with flourescent lighting (1,000) ● Clear-sky one hour before sundown (1,000)
	500	● Inside a department store (500 to 700) ● Ticket gate of a train station (650) ● Office with flourescent light (400 to 500) ● 13m sq. room with two 30 watt flourescent lights (300)
ADDITIONAL LIGHTING IS SUGGESTED	100	● Shopping arcade at night (150 to 200) ● Inside movie theatre at intermission (15 to 35)
ADDITIONAL LIGHTING IS NEEDED	10	● Candlelight (10 to 15)

WHEN SHOOTING OUTDOORS (Natural Lighting)

Select camera position as though carrying the sun on your back. In this way, the sun shines on the object evenly and enables shooting of lovely pictures.

For a scene on which there is excessive light, such as a beach or a snow scene on a bright day, the scene will appear too white, so a UV filter should be used to reduce the amount of light. A UV filter will usually perform satisfactorily in most circumstances.



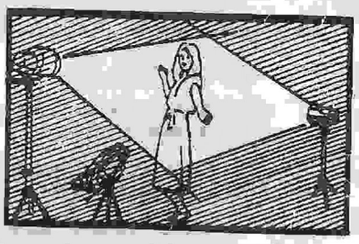
WHEN SHOOTING INDOORS (Artificial lighting)

Pictures may be shot with only flourescent lamps but more distinct pictures are obtained if the object is brighter.

DIRECTING THE LIGHTS:

For one light - The light should basically be directed diagonally from the front. With a single light, the contrast will always be strong. Use another light if you want to get rid of the shadows.

For two lights - Direct one diagonally from the front, and position the other at the side of the subject to eliminate any shadow.



TYPES OF LIGHTS:-

REFLECTOR FLAT LIGHT The light will be spread over a wide range, making this an easy and convenient type of light for the beginner to use.

REFLECTOR SPOT LIGHT This type of light can be used to emphasize a certain point, and to create special lighting effects.

NOTE: Do not place camcorder near a light or where it will be directly struck by light. The light's heat might deform the camcorder's exterior.

CAMCORDER HEADQUARTERS HELP LINE

Should you have any questions about the use or operation of your camcorder, Noel Leemings' experienced and knowledgeable staff are happy to help. Just call your nearest branch or phone the Help Line on (03)789-622.

Noel Leeming
The best at the best price

Camcorder Headquarters

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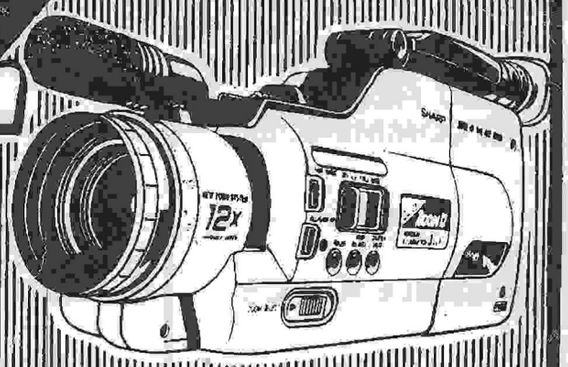
NOEL LEEMINGS

Complete guide to basic

Camcorder FILMING



YOUR COMPLETE GUIDE TO FILMING, WITH BASIC CAMERA HINTS, USE OF LIGHTING PLUS RECORDING TECHNIQUES AND TIPS.

CONGRATULATIONS!

The Camcorder you have purchased from Noel Leemings opens up a world of possibilities for you and your family. Just think how it will enrich your life! Record the magic of Christmas, the fun of New Year's Eve, baby's first steps, your children's sporting activities or that dream summer holiday all on film. This guide outlines the basic tips to capture those magic moments and will help ensure superb results whatever the situation.

BASIC CAMERA HINTS

1. If in doubt record it, you can edit out unwanted footage later.
2. For filming techniques, ideas can be taken from Television. Watch how the professionals do it.
3. Where possible, use manual zoom and focus - this saves battery life. This can be best used when setting a shot up before recording.
4. Remember that you are recording sound, be careful what you say. You can change the sound during editing if required or add background music and commentary by way of an audio mixer.
5. Always use the supplied carry strap. The camera won't fall so far if you drop it.
6. Use of a UV filter is recommended to protect the main Video Camera lens.
7. Your battery charger is able to charge from power sources 100 - 240 volts. Travel plug adaptors are required to make the plug compatible with most overseas sockets. These are available from Noel Leemings.
8. Always have your video tapes either in the camera or in its supplied case to avoid dust and dirt contaminating the tape.
9. Store all tapes vertically and away from magnetic influences, eg. Stereo speakers or electronic motors. Normal room temperature is recommended for long term storage.
10. Avoid extreme changes in temperature, this may cause condensation internally and make the camera unsafe to use. Refer to the DEW information in your instruction manual.
11. If the Date/Time facility on your camera should fail or become inaccurate, replace the back up battery in your camera. These batteries are inexpensive and last approximately 12 to 18 months.